

Jan-  
72

THE

B L O W N

P U S H

THE JOURNAL OF THE EAST BAY RADIO CLUB

P.O. BOX 782, EL CERRITO, CA. 94530

The East Bay Radio Club will meet at the Casa Cerrito @ 8PM, Friday January 14, 1972, 6927 Portola Dr. in El Cerrito.

There will be a free "on time" door prize & refreshments. Bring a friend  
IT'S SO NICE TO KNOW YOU!

It was a great year for "our gang" and one that proved that EBRC members can pitch in and support our various organized activities. Field Day, the picnic, the various dinners and classes were all successful and afforded a great deal of pleasure to me, as I hope they did for you. I thank the officers and members who worked so hard to make it all come out as planned. I think that our new officers may be surprized at the talent and ambition there is among our members. I hope you will all join in volunteering your help to the new officers and in wishing them a bigger, better and happier new year.

SID WA6JGZ

PRESIDENT'S MESSAGE

Each new year brings with it a rash of "New Year Resolutions". You know that these are things you promise yourself with gud intent and then immediately forget about. I'd rather think in terms of setting a few goals to achieve. They should be few in number and realistic. Sometimes that can be achieved. For example, the club might want to set a foal of increased paid membership. Others might be a higher percentage of novices who make general or higher in '72. Give a little thought to goals, both personal and club. We will talk about them at our next meeting. See you there.

73's Hal WA6CCM

BE SURE TO LISTEN BEFORE TRANSMITTING.

BUILD DONT BUY.





The Blown Fuse is a monthly publication of the East Bay Radio Club. The deadline is the Friday before the regular club meeting. The club meeting is always the 2nd Friday of each month. Articles published and not otherwise credited are the Editor's option and if you disagree send in your options for publication.

Editor & Publisher

Jim Waite, WA6EZJ

1077 26 st

Richmond, Calif. 94804 234-6891

1972 Elected Officers

President-Hal Franklin, WA6CCM

4235-Reinhardt Dr

Oakland, Calif. 94619 531-4461

Vice President-Y C Fergeson, WA6QCH

2519 Carlson

Richmond, Calif. 94804 525-5609

Treasurer-Ev Johnson, WN6DTM

1776 Sonoma Ave

Berkeley, Calif. 94707 524-2167

Secretary-Larry Anderson, WB6WMR

915 Santa Fe

Albany, Calif. 94706 525-9631

#### GENERAL CLASS SCHOOL

Our General Class School will start Jan. 24, 1972. The location of the school will be at Bob Caldwell QTH, which is 46 Cowper Ave.

directions to get there so it is best to look it up on your map and you can find the best way to get there from your QTH. It will be from 7:30 PM to 9:30 PM on Mondays. The text we are going to use will be the Ameco Amateur Radio Theory Course. These Books can be picked up at Amrads, 1025 Harrison St., Oakland, 451-7755. For those wishing more info. call Jim Waite, 234-6891.

We are going to go paragraph by paragraph through the Ameco Book. If anyone does not get any part of a paragraph let the instructor know and he will back up and go over it again for you until you understand it. There is no time limit on our classroom so we can take our time and make sure everybody understands the course.

#### FIELD DAY

Field day will be upon us before we know it. Our problem is a field day site this year. We won't be able to get our old site again this year. If any of the members have any idea please let the club officers know.

EMERGENCY INSTRUCTION; SHUT UP AND LISTEN.





## AROUND THE SHACK

Not too much doing in this dept. Ron DeSilva, WB6PWE, was home from school for the holidays. Ron is now the trustee of our Club License. Ron will graduate in March so it will not be long before he is a working man. Also my boy Jim Waite was home for the holidays too. In abt 1½ years he will be punching time clocks.

Dorothy McCutcheon, WA6PZC, has been working some DX on 15 meters besides wishing her friends in Japan a happy new year. She has worked a KR6DO, Kumi Jima, a small island abt 50 miles south west of Okinawa. Also she worked a 9M8FMF, Sarawak near Borneo, along with a YL in Australia & 2 YLs in Japan. Gud show Dorothy.

Got a call from Rachel Trout & she is now, WA6EQA. Vry gud Rachel. Also Rachel & Ralph, WA6EQH, bought a 31' Air-stream trailer & are leaving for Mazatlan for a month. They are taking their Rig with them but are not sure they will be able to use it in Mexico. They applied for permission but have not received an answer at this time.

So keep an ear open for a portable XE2.

The Editor JIM WAITE, WA6EZJ, would like to wish all club members a happy

## FOR SALE

3 Element Mosley MP-33 Beam with  
AR-22 Rotor- \$85.00

This is a real gud buy- Call Frank Williams, WA6EMF, 223-4530

PM3A Transceiver, runs on 12 V dc  
Battery 20&40 Meters \$45.00

AC4 Antenna Tunner 5.00

AC5 SWR Meter 8.00

RX10 Receiver 15,20,40,80 Meters \$40

S30 Signalizer w/CW Filter 32.50

### TEN TEC EQUIPMENT

All less than a year old, used very seldom. Call Jim Hudon WN6NTH

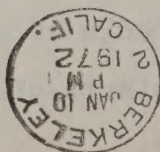
234-2597

## RTTY

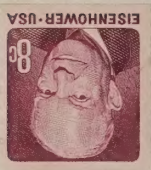
The amendments to Section 97.69(b), which will become effective January 7, 1972, will specify use of 60, 67, 75 or 100 words per minute is normal transmitting speed for radio teleprinter signal keying equipment. The Commission said that the transmitting speed selected should be adjusted as closely as possible to 60, 67, 75 or 100 wpm, and in any event, within the range of plus or minus five words per minute of the selected standard speed.

McKee Pool  
7315 - KUREKA  
EL CERRITO,  
CA. 94530

EAST BAY RADIO CLUB  
P. O. BOX 782  
EL CERRITO, CALIF. 94530



ALWAYS USE  
ZIP CODE





Mar 72

# THE BLOWN FUSE

THE JOURNAL OF THE EAST BAY RADIO CLUB

P.O. BOX 782, EL CERRITO, CA. 94530

The East Bay Radio Club will meet at the Casa Cerrito at 8PM on Friday, March 10, 1972, at 6972 Portola Drive in El Cerrito.

Mr. Bob Marchand, K6HQL, of the George Ladd-Pioneer Radio Club, will be our guest speaker for the evening. He will show how to prepare an etched circuit board, and will actually make one for a simple transistorized amplifier. He is an experienced builder, so bring your questions and a friend and join the fun.

## MUCH GREATER BAY AREA HAMFEST

The 1972 Greater Bay Area Hamfest combined with the ARRL Convention is to be held on October 14 and 15 at the Royal Coach Motor Hotel in San Mateo. Under the very able chairmanship of Don Johnson, W6QIE, with Veiko West as Sect-Treas. and working with the ARRL convention people, a fabulous selection of programs for all interests is planned, including varied activities for the ladies. The Hotel (near the end of the San Mateo Bridge) is conveniently located, has ideal accommodations for our type of meeting, and is being very generous and cooperative.

It's a new ball game this year, so get everyone to join with enthusiasm that will make this the outstanding event of the year. We will give you more details here as they develop.

"TRY IT YOU'LL LIKE IT"

## CB FIGURE INFLATED?

Noted with considerable interest your figures for transmitters in the Citizens Radio service as being 2,842,645 for 1970. Since you did not provide any explanation as to how or where this figure was reached, we can only assume that it was taken from the licenses themselves as recorded with the FCC.

In this latter case, the figures are in error insofar as actual CB transmitters are concerned for the very simple reason that most CB license applicants request licenses for many more transmitters than they will necessarily operate. For example, I held a CB license for a base station and four sub-stations. I have had only one station on the air at any time, and none since last September. We are sure that such conditions exist throughout the entire CB fraternity. For example, listening on the band, it was noted that in a recent "round table" (illegally operated, at that) that the members themselves licenses for over eight times the number of participants, and that none really had any of the average of eight sub-stations for which their licenses called. The same might well apply to the hams.

Perhaps it would be better to simply record the number of applicants rather than their equipment. As of the last time we had reason to inquire concerning the number of active (or licensed) CB applicants it was just over one million. This



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is less by more than 50% of your figure. The delta is certainly worth consideration, don't you think?

Dr. Karl A. Kopetzky  
Editor

Consumers Digest  
Chicago, Illinois

\*This letter was taken from the  
Communications News/February, 1972.

The Blown Fuse is a monthly publication of the East Bay Radio Club. The deadline is the Friday before the regular Club meeting. The Club meeting is always the 2nd Friday of each month. Articles published and not otherwise credited are the Editor's opinion and if you disagree send in your opinions for publication.

EDITOR & PUBLISHER

Jim Waite, WA6EZJ  
1077 26th Street  
Richmond, CA 94804  
Phone: 234-6891

1972 ELECTED OFFICERS

President-Hall Franklin, WA6CCM  
4235 Reinhardt Drive  
Oakland, CA 94619  
Phone: 531-4461

Vice President-Y. C. Fergeson, WA6QCH  
2519 Carlson Street  
Richmond, CA 94804  
Phone: 525-2167

Secretary-Larry Anderson, WB6WMR  
915 Santa Fe Avenue  
Albany, CA 94706  
Phone: 525-9631

Treasurer-Ev Johnson, WN6DTM  
1776 Sonoma Avenue  
Berkeley, CA 94706  
Phone: 524-2167

SCHOOL

The East Bay Radio Club General Class School will be held at Dr. M. T. Hurley QTH. For the month of March.

Dr. Hurley's address is:  
137 Perdue  
Kensington

FOR SALE

3 Element Mosley Beam, MP-33, New,  
with Rotor & Coax. \$75.00

Frank Williams  
WB6EMF  
223-4530

BLIND SCHOOL

Dorothy McCutcheon, WA6PZC, and Frank Dyer, WB6PYJ, are coming along fine with their student. They say he is about ready for his Novice Exam. Dave Welton, WB6PLX, and Jim Waite's, WA6EZJ, students are also doing great. We could use some code practice oscillators and keys for these students. If you have these items collecting dust in your shack, the Blind Students could sure use them. Call Jim Waite, WA6EZJ @ 234-6891.

STUDENT

The State Bar Association  
Class School will be held at  
Dr. A. T. Bailey, 212 N. 1st St.  
Point of View  
Dr. Bailey's address is:  
117 Taylor  
Kalamazoo

FOR SALE

117 Taylor  
Kalamazoo  
Dr. Bailey's address is:  
117 Taylor  
Kalamazoo

BLUE SCHOOL

Dr. Bailey's address is:  
117 Taylor  
Kalamazoo  
Dr. Bailey's address is:  
117 Taylor  
Kalamazoo

is less than 100 of your  
1/2 inch. The hole is perfectly  
round, 1/2 inch.

Dr. A. T. Bailey  
117 Taylor  
Kalamazoo

117 Taylor  
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## EAST BAY RADIO CLUB

Minutes of the meeting of February 11, 1972

The meeting was called to order at 8PM by President Hal Franklin. Members and visitors were welcomed. The minutes of the meeting of Jan. 14, 1972 were approved as printed.

Sid Lagorio, in the absence of Treasurer Ev Johnson, reported that the club has over \$200. in the bank.

Hal Franklin offered the following synopsis of the last CCRC meeting:

There will be a Hamvention this year at the Royal Coach Motel in San Mateo; the tentative date is Oct. 14 and 15. Bay Area Clubs will be asked for a donation to finance the event, although the exact amount is yet to be determined.

ARRL dues will increase from \$6.50 to 7.50 per year. Memberships can be renewed for 5 years at the \$6.50 rate until July 1, 1972.

Rumor has it that the conditional class license will be issued for only 3 years instead of 5, and only to those who find it absolutely impossible to get to an FCC office for the general class exam.

It was announced that Sid Lagorio will be taking over as Program Chairman.

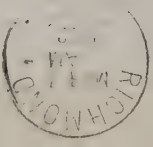
On February 9 Sid Lagorio, Frank Dyer, Dorothy Mc Cutcheon and Dave Welton went to the California School for the Blind and helped get set up to teach the kids to become hams.

Bill Hyde announced that the General Class is doing well with an average attendance of ten; anyone interested is invited to attend. The textbook, Ameco Amateur Radio Theory Course, can be obtained from Sid Lagorio. Class hours are Monday evenings from 7:30 - 9:30 at 46 Cowper Street, Kensington.

Brownie announced that he participated in the simulated emergency test for ten hours but unfortunately there was very little activity.

The meeting was adjourned at 8:55PM for the evening's speaker, Mr Harry Hatt of the Pioneer Radio Club.

Respectfully submitted  
Larry Anderson WB6WMR  
Secretary



140KRIE - W6GJI  
7315 EUREKA  
EL CERRITO, CA 94530

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P. O. BOX 782  
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# 'T' I I I E

# B L O W N F U S E

THE JOURNAL OF THE EAST BAY RADIO CLUB

P.O. BOX 782, EL CERRITO, CA. 94530

## MEETING

EAST BAY RADIO CLUB will meet at 8 P.M.  
FRIDAY, APRIL 14, 1972, AT CASA CERRITO,  
6927 PORTOLA DRIVE in EL CERRITO.

LARRY REED, W6CTH, a prominent ham of  
long standing from the Belmont area will  
be our guest speaker. Slides taken on  
his recent African safari will be shown.  
LARRY'S fine pictures and inimitable  
wit will make for a great evening to  
bring the XYL and kids...You'll like it!

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Articles published and not otherwise  
credited are the opinion of Ye Editor.  
So if you disagree or wish to otherwise  
comment, send in your own opinions for  
publication.

Editor & Publisher  
Jim Waite, WA6EZJ  
1077 26th Street  
Richmond, CA 94804

## NEW NOVICE NET

There is a new novice traffic net being  
held on Wednesday evenings at 7:30 PM on  
3745 MHz. Net control is WN6ITO, "Mike"  
who is located in Merced. Give it a  
listen...it's certainly different!

## TWO-METER DX

Some very interesting DX has been occur-  
ing on Two Meters since the first of  
April. Apparently it is due to a meteor  
shower. The activity is expected to  
reach a peak about April 14. Try list-  
ening--you'll probably be amazed at what  
you hear!

## 1972 ELECTED OFFICERS

President:	HAL FRANKLIN, WA6CCM 4235 Reinhardt Dr. Oakland, CA 94619
V. President:	Y. C. Ferguson, WA6QCH 2519 Carlson Blvd. Richmond, CA 94804
Secretary:	LARRY ANDERSON, WB6WMR 915 Santa Fe Avenue Albany, CA 94706
Treasurer:	Ev Johnson, WN6DTM 1776 Sonoma Avenue Berkeley, CA 94707

Trying to up-grade your license?

Remember: A rolling phone gathers  
no Morse.

BUILD DON'T BUY

EMERGENCY INSTRUCTIONS: SHUT UP AND LISTEN





## AUCTION

The May 12th Meeting will be the EBRC AUCTION. "Fast Buck" Les, W6JKY, Chief Auctioneer and his assistant "Spot Cash" Fergie, WA6QCH, would like all Club members and friends to look in the corner of their shack and check-out their over-flowing junk box for those unused items that are always getting in the way. 'One hams junk is another hams exciter.' More info will be printed in the next edition of the Blown Fuse. Watch for it!

## EBRC TWO-METER NET

All members are invited to participate in the new Two-Meter Club Net! It is being held every Tuesday evening at 8 o'clock on or about 145.35 Kc.

It was started almost by accident. GEORGE PEREIRA, WB6DTN, and SID LAGORIO, WA6JGZ, and FOREST EBERT, WB6EQG, got to chewin-the-rag one night about two months ago on the frequency and some one came up with the idea that this would be a great place for the Club to have its long-needed Net. Mainly because every Club member can participate on this band.

Present there are at least ten members who have two-meter equipment that can form a nucleus from which to start. Another important consideration is the Club can have some sort of Emergency Communication net that we have so sorely needed for a long time.

So, if you are presently set-up for two-meters join in now, or if you need assistance in how, get in touch with one of the above named members they will try and help you.

## SILENT KEY

A few weeks ago Club members here were shocked to hear of the death of ROY SALMONSON, WA6YAL, in Texas. He had just settled into his new home and job in Houston and everything seemed to be going well for him. Our deepest sympathy is extended to his mother, Mrs. Salmonson. We will all miss the friendly voice of WA6YAL.

IF ANTS ARE ALWAYS SO BUISY, HOW COME THEY FIND TIME TO GO TO SO MANY PINICS?

## PRIMARY POWER

It's time to clean up the shack--not the broom and dust pan type--but electrically! Everyone is not fortunate enough to have a circuit direct to the main service. There lies the problem, the sharing of a circuit with the rest of the household. Normal general usage circuits are designed for 15 and 20 ampere over current protection. However, the additional load of the shack forces the OM to resort to the large economy size 30 ampere fuse so the XYL can iron or whatever, while he works DX.

Sometimes a one-cent piece is inserted behind a fuse on the theory that you get greater mileage.. It is rumored that in some of the more affluent households nickels and even dimes have been found behind fuses. Just for the record the motto on all three coins is the same.

Over fusing presents two problems: #1. The deterioration of insulation and burning of switch-blade contacts and fuseholders. #2. When the circuit is lightly loaded (absence of Normal Household Load) the fusing is too high to protect your equipment.

Overcurrent protection is a function of time and current flow. The longer it takes the circuit fuse to blow the longer an abnormal current will flow and the more damage will result.

What to do about it? Reduce the circuit fuses to their correct size or lower if you don't have nuisance tripping. Individual low amperage fusing should be provided either panel mounted or in the cord attachment cap. The cap method is preferred because it also protects the cord.

Speaking of cords--take a look at that bowl of spaghetti, and all those cube taps under the table behind equipment.

Electrical supply houses sell metallic raceway systems in 3 ft. and 6 ft. lengths with outlets on 6-inch centers--ask to see wire mold catalogue for #1900 and #20,000 series strips and associated fittings effectively ground all metal chassis and enclosures. Fuse as low as possible and

## SWITCH TO SAFETY!

Also lifted from  
the CCRC Circle

Al McGuirk K6UBK  
(from SFRC NEWS)





## SWEEPSTAKES CERTIFICATE PROGRAM

Please do not forget this program for members only!

A certificate will be given for CW and one for Fone. All bands can be used. The same station can be used on all bands - and include the Novices in your contacts.

You can use CQEBRC for calling, or direct contacts can be made if a station is heard on the air.

Exchange QSL cards or a home brew card can be used giving all the pertinent information.

The certificate will be given for 25 confirmed contacts, with a gold star for each additional 5 confirmed contacts.

This is a continuing program. LET'S GET WITH IT!! DOT WA6PZC

### J A LAND

Some interesting information was recently sent me from a friend(JA2KVM-Masayuki, who is proud to hold a 2nd Class License) in J A Land in regards to Amateur Radio Licenses in that country that I thought might be of interest to our Club.

The total number of stations is approx. 150,000. There are four classes - 1st, 2nd, CW and Fone Classes. Twice a year, in April and October, the exams are held simultaneously at ten places throughout the country. There has been as many as 25,000 candidates in one year.

The 1st Class Ham Operator is tested on radio engineering, domestic and international telecommunication rules and Morse Code (12 words per minute) and Japanese Code (10 words per min.) Output power for 1st Class is up to 500 W and all freq. of the entire ham band is permitted.

The 2nd Class Ham Operator is tested on radio engineering, domestic and international telecommunication rules, and

Morse Code sent and received at 9 words per minute. Output power is limited to 100 W and on all freq.

For Fone and CW Classes only, it is possible to qualify by taking a training course instead of the regular exam. Persons who take a 40 hour training course sponsored by JARL and pass the JARL exam instead of the regular exam, are qualified. This system is widely used and is the reason for the Fone Class being so large. No CW exam for Fone Class. Fone Class is limited to 10W and excepting the 14MHz band all ham bands can be worked by Fone only. CW Class output power is also limited to 10W and with the same exception of the 14MHz band all bands can be worked using CW only.

The authorized ham bands in Japan are as follows:

160m	1907.5	-	1912.5kHz
80m	3500	-	3575 "
40m	7000	-	7100 "
20m	14000	-	14350 "
15m	21000	-	21450 "
10m	28	-	29.7 MHz
6m	50	-	54 "
2m	144	-	146 "
3/4m	430	-	440 "
1215-1300MHz, 2300-2450MHz,			
5650-5850MHz, 10-10.5GHz,			
21-22GHz.			

A few of the problems for the 1st and 2nd Class exams will be in next month's paper if there is room, plus other info.

DOT WA6PZC

IF YOU CANT DO ANY GOOD, DONT DO ANY HARM.

IF YOU DONT DO IT, IT WONT GET DONE.





## WANT ADS

FOR SALE: Swan 240 Tri-Band Transciever.  
Eico DC p/s. 75 & 40 meter Hustler.  
\$140

CALL: DAVE WELLS WA6EJX at 531-2800

FOR SALE: R388 in Excellent Condition  
Best Offer.

CALL: "Fergie" WA6QCH at 525-5609

FOR SALE: 3-Element Mosley Beam w/rotor  
and coax. New. \$75  
8-Element two-meter Beam w/rotor  
and 50' coax w/fittings. \$70

CALL: FRANK WILLIAMS, WB6EMF, or better  
known by his friends as Senator  
Claghorn, at 233-4530.

FOR SALE: Model 19 RTTY w/spare parts and  
manual. Good physical and mental  
Condition. \$75

CALL: Jim Waite, WA6EZJ, at 234-6891

WANTED: Dead or Alive - Model 14 Transmitter  
Distribution & Perforator Transmitter.

CALL: DENNIS FRANKLIN, WA6JVZ, at 483-7337.

WANTED: Swinger OM Ham would like to meet  
Swinger YL Ham. Will share Rig. Hi Hi!

CALL: 987-654-3211.....?

## "WORLD RADIO"

"WORLD RADIO" is a paper doing one fine job of  
PR for Hamdom in general. It is the kind  
that should be in all our schools and public  
libraries or wherever it will get the greatest  
exposure. Try it - You'll Like It!

One year subscription, every three weeks, \$5  
The address is: Worldradio, 2509 Donner Way,  
Sacramento, CA 95818.

It's one of the best bargains in Amateur  
Radio!

(Lifted from the CCRC Circle)

## A NO-CODE LICENSE?

During one of our Orientation classes,  
we brought up this question, "But when  
I get on the air I only plan to work on  
phone, why do I have to learn the code?"  
We answered with the comment that the FCC  
had no option to waive code requirements  
because of international agreements.

After the class, one of the bright  
young fellows phoned up and asked: "What  
international regulation or agreement is  
it that requires the code?" Here it is:  
Extracts from Radio Regulations Annexed  
to the International Telecommunication  
Convention (Geneva, 1959).

### ARTICLE 41 - AMATEUR STATIONS

SEC.3 (1) Any person operating the appa-  
ratus of an amateur station shall have  
proved that he is able to send correctly  
by hand and to receive correctly by ear,  
texts in Morse code signals. Administra-  
tions concerned may, however, waive this  
requirement in the case of stations mak-  
ing use exclusively of frequencies above  
144 Mc/s. Quote - Unquote.  
So far, our FCC hasn't seen fit to waive  
the code requirements for operation above  
144 MHz. Some countries have. In England  
there's a (B) License for VHF work with  
a no-code exam. Holders of this grade  
license are identified by their G8 call  
sign.

Our FCC still feels that the code test  
helps evaluate the licensee's seriousness,  
and is some measure of his self-discipline.  
In refusing to act on numerous proposals  
for a no-code "hobby" type VHF License,  
the Commission has surely been able to  
avoid creating a new Frankenstein's monster  
like the Citizen's Band.

from FDT NEWSLETTER  
(lifted from the  
CCRC Circle)

ENJOY WHAT YOU HAVE, HOPE FOR  
WHAT YOU LACK.





EAST BAY RADIO CLUB

Minutes of the meeting of March 10, 1972

The meeting was called to order at 8PM by President Hal Franklin. Members and guests were welcomed.

The minutes of the meeting of February 11 were approved as printed and Treasurer Ev Johnson reported that we have \$316. in the bank.

It was announced that the Hamvention to be held in October will also be the annual ARRL convention as well as Army and Navy MARS conventions. There will definitely be an SBE-36 as a registration prize and possibly a tower as well.

Hal Franklin noted that we are still in need of a Field Day site as well as a cook and chairman for the ladies activities.

Sid Lagorio announced that circuit boards for terminal unit construction are available for \$4. contact Sid or Bob Caldwell.

The meeting was adjourned at 8: 30 PM for an excellent demonstration of etched circuit board construction by Bob Marchand.

Respectfully submitted  
Larry Anderson WB6WMR  
Secretary

EAST BAY RADIO CLUB

P. O. BOX 782

EL CERRITO, CALIF. 94530



MORRIS - W6CJ1

7315 EUREKA

EL CERRITO, CA 94530





